

03-17-05

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Date of Deposit March 15, 2005

PATENT

Attorney Docket No.: 015270-006430US

Client Reference No.: 228-US-NEW

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

By:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

John P. Anderson et al.

Application No.: 09/471,669

Filed: December 24, 1999

For: BETA-SECRETASE ENZYME
COMPOSITIONS AND METHODS

Examiner: Walicka, Malgorzata A.

Art Unit: 1652

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. Copies of references 155-184 are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

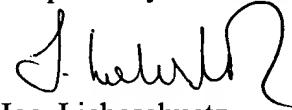
03/18/2005 FMETEK1 00000104 201430 09471669

01 FC:1806 180.00 DA

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joe Liebeschuetz
Reg. No. 37,505

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 650-326-2422
RLC:crf

60443776 v1



Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEET TRANSMITTAL

For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180)

Complete if Known	
Application Number	09/471,669
Filing Date	December 24, 1999
First Named Inventor	Anderson, John P.
Examiner Name	Walicka, Malgorzata A.
Art Unit	1652
Attorney Docket No.	015270-006430US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____
 Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments
 under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Small Entity</u>
	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description _____ Small Entity _____

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25
 Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100
 Multiple dependent claims 360 180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	
				<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____	-20 or HP = _____	_____ x _____	= _____	_____	_____

HP = highest number of total claims paid for, if greater than 20

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	
				<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____	-3 or HP = _____	_____ x _____	= _____	_____	_____

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

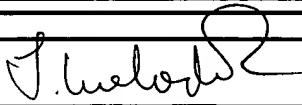
<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____	- 100 = _____	/ 50 = _____ (round up to a whole number)	_____ x _____	= _____

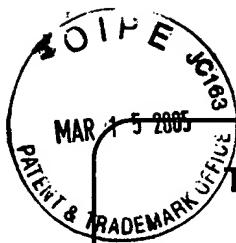
4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Submission of Information Disclosure Stmt 180

SUBMITTED BY

Signature		Registration No. 37,505 (Attorney/Agent)	Telephone 650-326-2400
Name (Print/Type)	Joe Liebeschuetz		Date March 15, 2005


**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

		Application Number	09/471,669
		Filing Date	December 24, 1999
		First Named Inventor	Anderson, John P.
		Art Unit	1652
		Examiner Name	Walicka, Malgorzata A.
Total Number of Pages in This Submission	7	Attorney Docket Number	015270-006430US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (1 pg., submitted in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (2 pages); PTO/SB/08A (1 page) PTO/SB/08B (2 pgs) *copy of cite nos. 155-184 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
<input type="checkbox"/> Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. *Not included in "Total Number of Pages In this Submission"		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

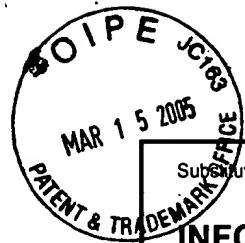
Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Joe Liebeschuetz		
Date	March 15, 2005	Reg. No.	37,505

CERTIFICATE OF TRANSMISSION/MAILING

Express Mail Label: EV 530 891 450 US

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Signature			
Typed or printed name	Jordan Mayat	Date	3/15/05



<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<p><i>Complete if Known</i></p>	
<p>Sheet</p>		<p>1</p>	<p>of</p>	<p>3</p>	<p>Attorney Docket Number</p>
<p>DEMARKER</p>		<p>015270-006430US</p>			
<p>Application Number</p>		<p>09/471,669</p>			
<p>Filing Date</p>		<p>December 24, 1999</p>			
<p>First Named Inventor</p>		<p>Anderson, John P.</p>			
<p>Art Unit</p>		<p>1652</p>			
<p>Examiner Name</p>		<p>Walicka, Malgorzata A.</p>			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴			
	170	EP	1 445 263 /	A1	08-11-2004	
	171	EP	855 442 /	A2	07-29-1998	
	166	GB	2 364 059 /	B	01-14-2004	
	167	GB	2 389 114 /	B	02-04-2004	
	168	GB	2 389 113 /	B	02-04-2004	
	169	GB	2 389 182 /	B	02-04-2004	

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.



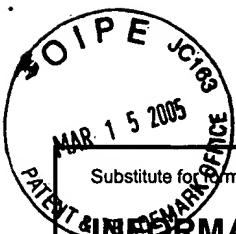
Institute for form 1449B/PTO				Complete if Known	
				Application Number	09/471,669
				Filing Date	December 24, 1999
				First Named Inventor	Anderson, John P.
				Art Unit	1652
				Examiner Name	Walicka, Małgorzata A.
Sheet	2	of	3	Attorney Docket Number	015270-006430US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	181	BORK, P., "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <u>Genome Research</u> , 10:398-400 (2000).		
	179	BROUN et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity," <u>Science</u> , 282:131-133 (1998).		
	178	DAS et al., "Estrogenic responses in estrogen receptor- α deficient mice reveal a distinct estrogen signaling pathway," <u>PNAS</u> , 94:12786-12791 (1997).		
	183	DENNIS et al., "Kunitz Domain Inhibitors of Tissue Factor-Factor VIIa," <u>J. Biol. Chem.</u> , 269(35):22129-22136 (1994).		
	155	Examination Report for United Kingdom 00121314.9 dated November 1, 2002.		
	156	Examination Report for United Kingdom 00121314.9 dated July 21, 2003.		
	157	Examination Report for United Kingdom 00121314.9 dated October 30, 2003.		
	158	Examination Report for United Kingdom Application 0318112.0 dated November 19, 2003.		
	159	Search and Examination Report for United Kingdom Application 0318112.0 dated September 24, 2003.		
	160	Search and Examination Report for United Kingdom Application 0318107.0 dated September 25, 2003.		
	161	Search and Examination Report for United Kingdom Application 0318113.8 dated September 25, 2003.		
	162	Examination Report for United Kingdom Application 0318113.8 dated November 19, 2003.		
	163	Examination Report for European Application 00919298.0 dated October 30, 2003.		
	164	Search Report for European Application 04006991.6 dated June 11, 2004.		
	165	Examination Report for New Zealand Application 534876 dated August 27, 2004.		
	184	International Preliminary Examination Report for PCT application PCT/US00/03819 dated 9/4/02.		

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

3

Complete if Known

Application Number	09/471,669
Filing Date	December 24, 1999
First Named Inventor	Anderson, John P.
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Attorney Docket Number	015270-006430US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	176	JACKSON et al., "The p47 ^{box} Mouse Knock-Out Model of Chronic Granulomatous Disease," <u>J. Exp. Med.</u> , 182:751-758 (1995).	
	182	KICK et al., "Structure-based design and combinatorial chemistry yield low nanomolar inhibitors of cathepsin D," <u>Chem. & Biol.</u> , 4:297-307 (1997).	
	173	KRISTIE, T. M., "The Mouse Homologue of the Human Transcription Factor C1 (Host Cell Factor)," <u>J. Biol. Chem.</u> , 272(42):26749-26755 (1997).	
	174	LI et al., "Cloning and Characterization of Three New Murine Genes Encoding Short Homologues of RNase P RNA*," <u>J. Biol. Chem.</u> , 270(42):25281-25285 (1995).	
	177	RAABE et al., "Knockout of the abetalipoproteinemia gene in mice: Reduced lipoprotein secretion in heterozygotes and embryonic lethality in homozygotes," <u>PNAS</u> , 95:8686-8691 (1998).	
	172	SUN et al., "Gene Structure, Chromosomal Localization, and Expression of the Murine Homologue of Human Proteinase Inhibitor 6 (PI-6) Suggests Divergence of PI-6 from the Ovalbumin Serpins*," <u>J. Biol. Chem.</u> , 270(27): 16089-16096 (1995).	
	175	UMANS et al., "Targeted Inactivation of the Mouse α -Macroglobulin Gene*," <u>J. Biol. Chem.</u> , 270(34):19778-19785 (1995).	
	180	VAN DE LOO et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <u>PNBS</u> , 92:6743-6747 (1995).	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.